



MEMORANDUM

To: Traffic Study Files

From: A. Lee Austin, P.E.
Central Area Supervisor
Traffic Engineering Division
Austin Transportation Department

Date: September 18, 2012

Subject: Reduced Speed School Zone Investigation

Location: Bluebonnet Lane (extending), Rundell Place (extending), Ann Arbor Avenue

Date(s) of Previous Investigation: None

A traffic engineering investigation has been conducted to determine if a reduced speed school zone should be installed on Ann Arbor Avenue and if existing school zones should be modified on Bluebonnet Lane and on Rundell Place for students attending Zilker Elementary School.

Austin Independent School District School (AISD) and the Public Works Child Safety Program have revised the parent drop off / pick up location and the Austin Transportation Department installed two additional crosswalks for the 2012-2013 school year. Figure 1 presents a map of the study area.

The following information was collected and analyzed for this determination.

Proximity of the School Crossing to the School

The new crosswalks are adjacent to Zilker Elementary School property. The adjacent land uses are primarily residential as the Zilker and Barton Hills Neighborhoods abut Bluebonnet Lane, Rundell Place and Ann Arbor Avenue.

Pedestrian Count

Because the 2012-2013 school year has not begun, no students have been counted crossing at the new crosswalk locations.

Existing Roadway Conditions

Location	Type of Controls	ADT Two Way (One Way)	Posted Speed Limit	Street Width
Bluebonnet Ln	Stop	3,351	30 MPH	30 feet
Rundell Pl.	Stop	1,112	25 MPH	30 feet
Ann Arbor Ave.	Stop	(341)	25 MPH	30 feet

Existing School Zones

The existing zones are on Bluebonnet Lane from 200 feet north of Holland Avenue to 200 feet north of Rundell Place and on Rundell Place from Ann Arbor Avenue to Bluebonnet Lane.

Presence of Adult Crossing Guard or Student Safety Patrol

The City's Child Safety Program has committed adult crossing guards at the three crosswalk locations. There are three guards currently working these crossing locations.

Crash History

Austin Police Department's crash database was culled for crashes near the study locations between September 2011 and September 2012. None were reported during this time period.

Sight Distance

No sight distance issues at the new or existing crossing locations

Sidewalks and Ramps

There are sidewalks, curb ramps and marked crosswalks at all existing and new school crossing locations. Sidewalks are continuous around the school property.

Recommendation

Based on the analysis of this information, it is my engineering judgment that a reduced speed school zone of 20 miles per hour be installed on Ann Arbor Avenue from 403 feet north of Holland Avenue to Rundell Place. It is also recommended that the existing school zones be modified on Bluebonnet Lane from Blue Crest Drive to 125 feet north of Rundell Place and on Rundell Place from 107 feet east of Paramount Avenue to Bluebonnet Lane and operate between 7:00 AM and 9:00 AM and 2:00 PM and 4:00 PM.

Respectfully,

A. Lee Austin, P.E.
Central Area Supervisor
Traffic Engineering Division
Austin Transportation Department

